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[54] NITINOL STENT FOR HOLLOW BODY CONDUITS

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[58] **Field of Search** 604/96, 104, 281; 606/108, 194, 195, 198; 623/1

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[57] **ABSTRACT**

Disclosed is a coil stent constructed from a nitinol alloy having the ends thereof shaped to interact with a placement device specifically designed to hold the stent in a reduced diameter while it is being maniuplated to its desired position in the patient's body. The placement device is a hollow tube which has holes in it surface allowing placement of the ends of the stent therethrough so that they can be held in place inside the interior of the placement device by a mandril which is threaded through the center of the placement device. The combination of the features of the shapes on the end of the stent, the holes in the placement device and the mandril which passes through the placement device and the shapes on the end of the stent allow the interventional radiologist to accurately and rapidly place the stent in its desired position before it changes shape to its final pre-set configuration.

10 Claims, 2 Drawing Sheets